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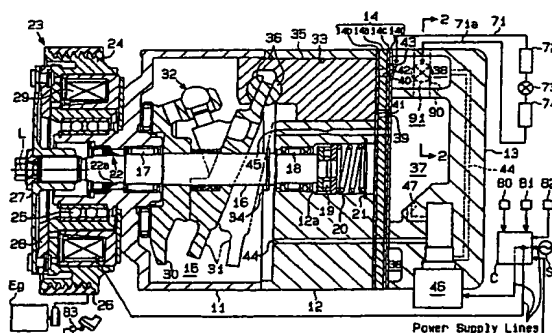
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(54) Variable displacement compressor

(57) In a variable displacement compressor that draws, compresses, and discharges refrigerant gas, the displacement is adjusted by varying the inclination of a cam plate in accordance with the difference between the pressure in a crank chamber and the pressure in cylinder bores. A pressurizing passage connects the crank chamber to a discharge passage. A bleed passage connects the crank chamber to a suction chamber. A displacement control valve is externally controlled and varies the pressure in the crank chamber by adjusting the opening size of either the pressurizing passage or the bleed passage. A suction control valve closes a duct between the suction chamber and an evaporator when the pressure in the crank chamber exceeds a predetermined level to prevent an excessively high pressure in the crank chamber.

Fig.1



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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 173 032 A (TAGUCHI TATSUHISA ET AL) 22 December 1992 (1992-12-22) * column 2, line 45 - line 62 * * column 4, line 14 - column 6, line 24; figures 1-3 *	1	F04B27/18 F04B49/22
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A	EP 0 707 182 A (TOYODA AUTOMATIC LOOM WORKS) 17 April 1996 (1996-04-17) * column 5, line 23 - column 9, line 53; figures 1,4-7 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 November 2000	Examiner Ingelbrecht, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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